

**REMARKS**

This Response, filed in reply to the Office Action dated April 18, 2007, is believed to be fully responsive to each point of rejection raised therein. Accordingly, favorable reconsideration on the merits is respectfully requested.

Claims 1-16 are all the claims pending in the application.

The application is in condition for Allowance except for formal matters regarding the drawings. The drawings are objected to because the Examiner contends that descriptive labels are not included in figures 2A, 2B, 3, 4, 5, 6A, 6B, 6C, 7, 8A, 8B, 8C and 8D.

Applicant submits to the Examiner that the cited Figures need not have any descriptive labels added. Rather, the cited figures include reference characters that comply with all requirements of 37 C.F.R. § 1.84(p)(1) and which are supported in the specification as indicated by the examples set forth below.

Reference characters P1, P2 (Figs. 2A, 2B; 3-5, 6A-C) describe radiation images (page 15, second full paragraph).

Reference character R1 ( Fig. 4) corresponds to a search region (page 18, last line).

Reference character T2 (Fig. 4) corresponds to a template region (page 18, line 24).

Reference character K (Fig. 6C) corresponds to a diseased portion (Page 16, line 25).

Reference character L (Fig. 7) corresponds to an artifact (Page 16, line 19).

Reference characters Psu1 and Psu2 (Figs. 8B-8C) correspond to base density images (page 21, second partial paragraph).

Reference character Psu (Figs. 6C and 8A) corresponds to a subtraction image (Page 10, last line).

Reference characters (x,y) (Figs. 4-5) and variations thereof use a standard form to identify coordinates in a Cartesian-based system (page 7, last paragraph).

During the phone discussion with the Examiner on or about May 22, 2007, the Examiner indicated that the above comments would be deemed responsive to the Quayle Action.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.


Respectfully submitted,

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WASHINGTON OFFICE

**23373**

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